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## Amendments to the Claims

- (Original) A method of manufacture, remanufacture, or repair of a compressor having:
  a rotor having a working portion having a first end face;
  a housing assembly carrying the rotor for rotation about a rotor axis and having a first
  housing element having a first surface facing the first end face, the method comprising:
  positioning one or more spacer elements from the first housing element;
  machining the one or more spacer elements; and
  applying a coating over the first surface around the one or more spacer elements.
- 2. (Original) The method of claim 1 wherein there are a plurality of such spacer elements.
- 3. (Original) The method of claim 2 wherein the machining of the spacer elements provides coplanarity of first end surfaces of the spacer elements.
- (Original) The method of claim 3 further comprising:
  plastically deforming the coating to a thickness associated with a height of the spacer
  elements.
- 5. (Original) The method of claim 4 wherein the thickness is between 40 and 250 μm.
- 6. (Original) The method of claim 4 wherein the plastically deforming consists essentially of compressing.
- 7. (Original) The method of claim 4 wherein the plastically deforming consists essentially of compressing with said rotor.
- 8. (Original) The method of claim 4 wherein the plastically deforming consists essentially of compressing with a flat element.

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- 9. (Original) The method of claim 1 wherein the positioning of the spacer elements comprises press fitting.
- 10. (Original) The method of claim 1 wherein the there are between 3 and 5 spacer elements.
- 11. (Original) The method of claim 1 further comprising removing old spacer elements before inserting the at least one spacer element.
- 12. (Original) The method of claim 1 wherein the rotor is a screw-type male rotor and the compressor further includes at least one screw-type female rotor enmeshed with the male rotor.
- 13. (Original) A method of manufacture, remanufacture, or repair of a compressor having: a rotor having a working portion having a first end face;

a housing assembly carrying the rotor for rotation about a rotor axis and having a first housing element having a first surface facing the first end face rotor working portion, the method comprising:

applying a coating over the first surface around a plurality of spacers elements protruding from the first housing element; and

plastically deforming the coating by compressing the coating.

- 14. (Original) The method of claim 1 wherein: the compressing comprises compressing with the rotor.
- 15. (Original) The method of claim 1 wherein: the compressing comprises compressing with a flat plate.
- 16. (Original) A method of manufacture, remanufacture, or repair of a compressor having: a rotor having a working portion having a first end face;

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a housing assembly carrying the rotor for rotation about a rotor axis and having a first housing element having a first surface facing the first end face rotor working portion, the method comprising the steps of:

one or more steps for providing at least one spacer element protruding from the first housing element;

one or more steps for applying a coating over the first surface; and one or more steps for precompressing the applied coating.

## 17. (Original) The method of claim 16 wherein:

the one or more steps for providing at least one spacer element protruding from the first housing element includes an inserting step and a machining step after the inserting step.

18. (Original) The method of claim 16 wherein:

the one or more steps for applying a coating over the first surface comprises applying the coating around the at least one spacer element.

- 19. (New) The method of claim 8 wherein the flat element is a flat plate.
- 20. (New) The method of claim 8 wherein the flat element is not the rotor.